

HARALD SCHROTT, et al.  
U.S. Appl. S.N. 10/509,880

**IN THE SPECIFICATION:**

Please conform the Specification to U.S. patent practice by entering the following amendments.

1. On page 1, after the title of the invention and before paragraph [0001], please add the following headings and information: --

**CROSS REFERENCE TO RELATED APPLICATIONS**

Not applicable.

**STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT**

Not applicable.

**INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON COMPACT DISC**

Not applicable.

**REFERENCE TO A "MICROFICHE APPENDIX"**

Not applicable.

**BACKGROUND OF THE INVENTION**

**(1) Field Of The Invention**      -- .

2. On page 1, please modify paragraph [0001] as follows: --

[0001]    The invention concerns a water filter cartridge  
~~according to the preamble of Claim 1~~ for treating drinking water  
in beverage machines or drinking water devices with a replaceable  
control unit to monitor the condition of the water filter  
cartridge. More particularly the invention pertains to a control  
unit having a sensor unit with at least one conductance sensor.

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3. On page 1, before paragraph [0002] please add the  
following heading: --

**(2) Description Of Related Art Including Information**  
**Disclosed Under 37 CFR 1.97 and 1.98.**    --

4. On page 2, before paragraph [0008], please add the heading: --

**BRIEF SUMMARY OF THE INVENTION** --.

5. On page 2, please amend paragraph [0008] to read: --

[0008] Therefore, this invention has the task of ~~proposing~~  
providing a water filter cartridge of the type mentioned at the  
beginning which allows reliable monitoring of the condition of  
the water filter cartridge. --

6. On page 2, please amend paragraph [0009] to read: --

[0009] This task is solved by a water filter cartridge having  
~~the features of Claim 1~~ a replaceable control unit to monitor the  
condition of the water filter cartridge in which the control unit  
includes a sensor unit with at least one conductance sensor. --

7. On page 2, please amend paragraph [0010] to read: --

**[0010]**    ~~The measures mentioned in the subordinate claims enable~~  
advantageous embodiments and further developments of the  
invention include measuring the conductivity of the filtered  
water with the conductance sensor, having sensor elements (13)  
that project into the housing (2) of the filter cartridge (1),  
having at least one passage and/or at least one break point for  
one or more sensors to go through, providing a conductance sensor  
(19) for measuring the quality of the unfiltered water, providing  
an electronic evaluation unit (19), utilizing the electronic  
evaluation unit (19) to account for the difference between at  
least two conductance values in performing its evaluation,  
providing a temperature sensor (15), providing a timing element,  
providing a display (16) to display the condition of the water  
filter cartridge (1), providing fastening elements (12) to fasten  
a sensing unit (11) to a filter cartridge (1), providing at least  
one of the fastening elements as catches and constructing a  
beverage machine or drinking water device with a water filter  
cartridge (1) in accordance with the invention. --

8. On page 6 before paragraph [0029] please add the  
heading: --

**BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S)**

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9. On page 6 please amend paragraph [0029] to read:: --

[0029] The single figure, Fig. 1, is a schematic illustration of the structure of a possible embodiment of the invention. --

10. On page 6 before paragraph [0030] please add the heading: --

**DETAILED DESCRIPTION OF THE INVENTION INCLUDING BEST MODE**

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11. On page 7 please amend paragraph [0034] to read: --

[0034] Sensor unit 11 also has a display 16, a pushbutton 17, and a battery 18. The central evaluation electronics 19 is only indicated in the schematic illustration shown in the figure. --